

Abstract

The valve has a valve member (72) that is guided so that it is able to slide in the direction of its longitudinal axis (73), protrudes into a valve pressure chamber (77) and, in the valve pressure chamber (77), has a sealing surface (81) at an end extending transversely in relation to its longitudinal axis (73), with which sealing surface (81) the valve member (72) cooperates with a valve seat (79) extending transversely in relation to its longitudinal axis (73) in order, at least to a large extent, to close an opening (78) encompassed by the valve seat (79) in relation to the valve pressure chamber (77). The opening (78) is adjoined by a connection (64) leading to a low-pressure region. The valve member (72) has a pin (83) that protrudes into the connection (64) and, when the sealing surface (81) of the valve member (72) is lifted away from the valve seat (79), this pin (83) conveys fluid flowing out of the valve pressure chamber (77) in such a way that the outgoing fluid exerts at least approximately no resulting force on the valve member (72) in the direction of its longitudinal axis (73).